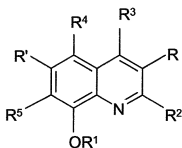


IN THE CLAIMS

The following is a listing of the claims currently pending in the above-identified application. This listing of the claims replaces all prior versions and listings of the claims in the above-identified application thereof. Cancellation of claims and/or deletion of subject matter in claims are effected without prejudice.

1-29. (Cancelled)

30. (Previously Presented) A compound of the formula



or pharmaceutically acceptable salts, thereof in which

R^1 is H;

R^2 is; optionally substituted phenyl; optionally substituted naphthyl; optionally substituted tetrahydronaphthyl; optionally substituted biphenyl; optionally substituted heterocyclyl; COR^6 , CSR^6 , CN ; $(CH_2)NR^9R^{10}$; $HCNOR^9$; $HCNNR^9R^{10}$; OR^{11} ; SR^{11} ; $NR^{11}R^{12}$ or $SO_2NR^{13}R^{14}$;

R^6 is H, C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, hydroxy, optionally substituted aryl, optionally substituted heterocyclyl, SR^7 or NR^7R^8 ;

R^7 and R^8 are either the same or different and selected from H, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted aryl and optionally substituted heterocyclyl;

R^9 is H, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

R^{10} is hydrogen, methyl, propyl, isopropyl, butyl, isobutyl, sec-butyl, tert-butyl, pentyl, neopentyl, hexyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, optionally substituted C_{2-6} alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

R^{11} is H, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with R^{12} form optionally substituted heterocyclyl;

R^{12} is optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with R^{11} form optionally substituted heterocyclyl;

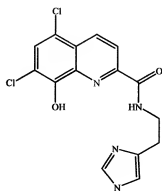
R^3 , R and R' are either the same or different and selected from H, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted C_{1-6} alkoxy, optionally substituted acyl, hydroxy, optionally substituted amino, optionally substituted thio, optionally substituted sulphonyl, optionally substituted sulphinyl, optionally substituted sulphonylamino, halo, SO_3H , amine, CN, CF_3 , optionally substituted aryl and optionally substituted heterocyclyl; and

R^4 and R^5 are chloro,

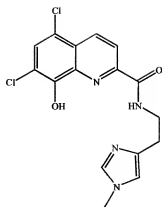
wherein the optional substituent is C_{1-6} alkyl, CF_3 , fluorine, chlorine, iodine, cyano, C_{1-6} alkoxy, 5 or 6-membered aryl, heteroaryl, amino or C_{1-6} alkylamino.

31. (Previously Presented) The compound according to Claim 30 in which either R^2 is optionally substituted phenyl, optionally substituted naphthyl, optionally substituted tetrahydronaphthyl, optionally substituted biphenyl, optionally substituted heterocyclyl, $CH_2NR^9R^{10}$ or COR^6 or at least one of R , R^3 and R' is optionally substituted C_{1-6} alkyl, optionally substituted aryl, optionally substituted heterocyclyl, $CH_2NR^9R^{10}$ or COR^6 in which R^6 is NR^7R^8 or $NR^{11}R^{12}$.

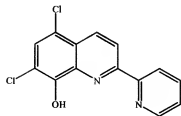
32. (Previously Presented) A compound of the formula



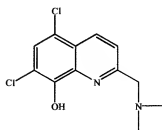
PBT 1038



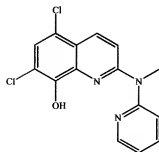
PBT 1050



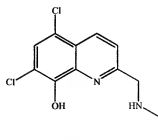
PBT 1052



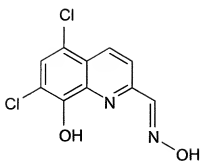
PBT 1033



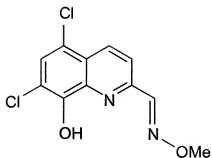
PBT 1056



PBT 1051



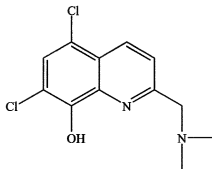
PBT 1031



PBT 1032

or pharmaceutically acceptable salts, thereof.

33. (Previously Presented) The compound according to Claim 32 having the formula



PBT 1033

or pharmaceutically acceptable salts, thereof.

34. (Previously Presented) A pharmaceutical composition comprising a therapeutically effective amount of a compound according any one of Claims 30, 32 or 33 in association with a pharmaceutically acceptable carrier.

35. (Previously Presented) The pharmaceutical composition according to Claim 34 which additionally comprises a medicament, said medicament being an inhibitor of the acetyl cholinesterase active site, an antioxidant, an anti-inflammatory agent or an estrogenic agent.
36. (Previously Presented) A hydrate of the compound of Claim 30.
37. (Cancelled)
38. (Previously Presented) A hydrate of the compound of Claim 32.
39. (Cancelled)
40. (Previously Presented) A hydrate of the compound of Claim 33.
41. (Cancelled)